



OIPE

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/057,487

DATE: 10/24/2002

TIME: 16:24:03

Input Set : A:\87020073.txt

Output Set: N:\CRF4\10242002\J057487.raw

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3 <110> APPLICANT: Wyeth
5 <120> TITLE OF INVENTION: Aggrecanase Molecules
7 <130> FILE REFERENCE: 08702.0073
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/057,487
C--> 9 <141> CURRENT FILING DATE: 2002-01-25
9 <150> PRIOR APPLICATION NUMBER: 60/241,469
10 <151> PRIOR FILING DATE: 2000-10-18
12 <160> NUMBER OF SEQ ID NOS: 8
14 <170> SOFTWARE: PatentIn version 3.1
16 <210> SEQ ID NO: 1
17 <211> LENGTH: 242
18 <212> TYPE: PRT
19 <213> ORGANISM: Homo sapiens
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27 Leu Ser Pro Gly Ala Pro Leu Lys Gly Arg Pro Pro Ser Pro Gly Phe
28 20 25 30
31 Gln Arg Gln Arg Gln Arg Arg Ala Ala Gly Gly Ile Leu His
32 35 40 45
35 Leu Glu Leu Leu Val Ala Val Gly Pro Asp Val Phe Gln Ala His Gln
36 50 55 60
39 Glu Asp Thr Glu Arg Tyr Val Leu Thr Asn Leu Asn Ile Gly Ala Glu
40 65 70 75 80
43 Leu Leu Arg Asp Pro Ser Leu Gly Ala Gln Phe Arg Val His Leu Val
44 85 90 95
47 Lys Met Val Ile Leu Thr Glu Pro Glu Gly Ala Pro Asn Ile Thr Ala
48 100 105 110
51 Asn Leu Thr Ser Ser Leu Leu Ser Val Cys Gly Trp Ser Gln Thr Ile
52 115 120 125
55 Asn Pro Glu Asp Asp Thr Asp Pro Gly His Ala Asp Leu Val Leu Tyr
56 130 135 140
59 Ile Thr Arg Phe Asp Leu Glu Leu Pro Asp Gly Asn Arg Gln Val Arg
60 145 150 155 160
63 Gly Val Thr Gln Leu Gly Gly Ala Cys Ser Pro Thr Trp Ser Cys Leu
64 165 170 175
67 Ile Thr Glu Asp Thr Gly Phe Asp Leu Gly Val Thr Ile Ala His Glu
68 180 185 190
71 Ile Gly His Ser Phe Gly Leu Glu His Asp Gly Ala Pro Gly Ser Gly
72 195 200 205
75 Cys Gly Pro Ser Gly His Val Met Ala Ser Asp Gly Ala Ala Pro Arg
76 210 215 220
79 Ala Gly Leu Ala Trp Ser Pro Cys Ser Arg Arg Gln Leu Leu Ser Leu

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90	<213> ORGANISM: Homo sapiens				
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95	gctgaatgcg	gagtggggac	ggacgtccgg	agggctggct	ggaagctcgc gcgccccctcc 120
97	cacggggcgg	gcgtacctg	agcaggctca	gcagctgccg	gcggctgcag ggggaccagg 180
99	cgaggccggc	gcggggcgcg	gcgcgcctcg	aagccatcac	gtgtccgctg gggccgcagc 240
101	cgtgcgcggg	cgcgcgcctg	tgctccaggc	cgaagctgtg	cccaatctca tgggcaatgg 300
103	tgaactccag	gtcgaagcca	gtgtccctcg	taatgaggca	gtcccagggt ggggagcagg 360
105	caccgcccag	ctgggtgacg	ccccgcacct	gcgggttacc	atcaggcaac tccagggtcaa 420
107	acctagtgat	atagaggacc	aggtcagcat	ggccaggatc	cgtgtcgtcc tcagggttga 480
109	tgggtctggt	ccaccacacg	acgtcagca	gggacgaggt	gaggttggct gtgatatttg 540
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119	gagggcgggc	ttttaaggga	gcaccagggc	tcaagtaaga	agacacggcc tgtggctcca 840
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123	cgcactcttc	atccccatcc	cggatcttgg	ggaggtcctc	ggcttgcccc agtcaaactc 960
125	gaggtttctc	ctatagttag	tcgtattaat	ttcagaggag	tatttagaag agaagctgaa 1020
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133	<213> ORGANISM: homo sapiens				
135	<400> SEQUENCE: 3				
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138	tacgactcac	tatagggaga	acctcgagtt	tgaactgggc	aagccgagga cctccccaaag 120
140	atccgggatg	gggatgagag	atgcgaacgc	cggaaaggaa	ctggggggcc gctgtgtgtg 180
142	tagcacccca	gttgtcttca	ggctttggag	ccacaggccg	tgtcttctta cttgagccct 240
144	ggtgtccctc	taaaaggccg	ccctccttcc	cctggcttcc	agaggcagag gcagaggcag 300
146	aggcgggctg	caggcggcat	cctacacctg	gagctgctgg	tggccgtggg ccccgatgtc 360
148	ttccaggctc	accaggagga	cacagagcgc	tatgtgtctc	ccaacctcaa catcggggca 420
150	gaactgcttc	gggaccgcgc	cctgggggct	cagtttcggg	tgcacctggg gaagatggtc 480
152	attctgacag	agcctgaggg	tgctccaaat	atcacagcca	acctcacctc gtccctgctg 540
154	agcgtctgtg	ggtggagcca	gaccatcaac	cctgaggacg	acacggatcc tggccatgct 600
156	gacctggtcc	cttatataac	taggtttgac	ctggagtgtc	ctgatggtaa ccggcagggtg 660
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162	gagcacgacg	gcgcgcccgg	cagcggctgc	ggccccagcg	gacacgtgat ggcttcggac 840
164	ggcgcgcgcg	cccgcgcggg	cctgcgcctg	tccccctgca	gccgcgggca gctgctgagc 900
166	ctgtctcagg	agcgcgcggc	ccgtgggagg	ggcgcgcgag	cttcagacca gccctccgga 960
168	cgtccgtccc	cactccgcac	tcagccctcc	ttcctgtcct	acctctccat cctgaccaca 1020
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173	<210> SEQ ID NO: 4				

## RAW SEQUENCE LISTING

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Input Set : A:\87020073.txt

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174 &lt;211&gt; LENGTH: 2217

175 &lt;212&gt; TYPE: DNA

176 &lt;213&gt; ORGANISM: homo sapiens

178 &lt;400&gt; SEQUENCE: 4

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181 gatggcttcg gaacggcgcc gcccgcgcc ggcctcgctt ggteccccctg cagccgcggg      120
183 cagctgctga gectgctcag accctccctt cgtcgccgc tccctctgct ggccacccac      180
185 ctctgcgcgg gcaggagcct tagtcttggt cccagccaag agccggctcc tggtaggggg      240
187 cgcgggccga gaaactctgt tcccactcac aaaaggccac gcttccaaac gcttccatcc      300
189 tegtgcacac tcttcgttc cgcctcctcc cgggtgtacac cccgggactg agccgggcct      360
191 gagccggggc ttgtgcgagc gcatgacggg cgcgctgggt tgggaccgc cgcggcctca      420
193 acccggttcc gcggggcacc cgcggaatgc gcacctgggc ctctactaca gcgccaacga      480
195 gcagtgcgcg gtggccttcg gcccgaaggc tgtcgcttgc accttcgcca gggagcacct      540
197 ggtgagctct cggcgcggtg cctgggattg gctgtgaggt ccttcgcct caccagctc      600
199 acgtccccc aaacgtgcat ggatatgtgc caggccctct cctgccacac agaccgctg      660
201 gaccaaagca gctgcagccg cctcctcgtt cctctcctgg atgggacaga atgtggcgtg      720
203 gagaagtggg gctccaaggg tegtgcgcg tccctgggtg agctgacccc catagcagca      780
205 gtgcattggc gctggtctag ctggggctcc cgaagtctt gctcccgctc ctgcggagga      840
207 ggtgtggtca ccaggaggcg gcagtgcac aaacccagac ctgccttttg ggggcgtgca      900
209 tgtgttgggt ctgacctcca ggcgagatg tgcaacactc aggcctgcga gaagaccag      960
211 ctggagttca tgcgcaaca gtgcgcaag accgacggcc agcctgcgc ctctccct      1020
213 ggcggcgccct ccttctacca ctggggtgct gctgtaccac acagccaagg ggatgctctg      1080
215 tgcagacaca tgtgcggggc cattggcgag agcttcatca tgaagcgtgg agacagcttc      1140
217 ctgatggga cccggtgtat gccaagtggc ccccgggagg acgggacct gagcctgtgt      1200
219 gtgtcgggca gctgcaggac atttggctgt gatggtagga tggactccca gcaggatgg      1260
221 gacagggtcc aggtgtgtgg tggggacaac agcacgtgca gccacggaa gggtctttc      1320
223 acagctggca gagcgagaga atatgtcacg tttctgacag ttaccccca cctgaccagt      1380
225 gtctacattg ccaaccacag gcctctcttc acacacttgg cggtaggat cggagggcgc      1440
227 tatgtctgg ctgggaagat gagcatctcc cctaacacca cctaccctc cctcctggag      1500
229 gatggtcgtg tcgagtacag agtggccctc accgaggacc ggtgccccg cctggaggag      1560
231 atccgcatct ggggacctt ccagggaagat gctgacatcc aggtgggagg tgtcagagcc      1620
233 cagctcatgc acatcagctg gtggagcagg cctggccttg gagaacgaga cctgtgtgcc      1680
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239 cacctctgca ggggagaagg ctccctcccc atggggcagc atcaggacgg gggtcaagc      1860
241 tgcacacgtg tggacccctg cggcagggtc gtgctccgtc tctgcgggc gaggtctgat      1920
243 ggagctgcgt ttctgtgca tggactctgc cctcagggtg cctgtccagg aagagctgtg      1980
245 tggcctggca agcaagcctg ggagccggcg ggaggtctgc caggctgtcc cgtgccctgc      2040
247 tcggtggcag tacaagctgg cggcctgcag cgtgagctgt gggagagggg tcgtgcggag      2100
249 gacctgtat tgtgcccggg cccatgggga ggacgatggt gaggagatcc tgttgacac      2160
251 ccagtgcag gggctgcctc gcccggaacc ccaggaggcc tgcagcctgg agccctg      2217

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254 &lt;210&gt; SEQ ID NO: 5

255 &lt;211&gt; LENGTH: 365

256 &lt;212&gt; TYPE: PRT

257 &lt;213&gt; ORGANISM: homo sapiens

259 &lt;220&gt; FEATURE:

260 &lt;221&gt; NAME/KEY: MISC\_FEATURE

261 &lt;223&gt; OTHER INFORMATION: unknown amino acid

264 &lt;220&gt; FEATURE:

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Input Set : A:\87020073.txt

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267 <223> OTHER INFORMATION: unknown amino acid
270 <400> SEQUENCE: 5
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273 1 5 10 15
276 Ser Ser Cys Ser Arg Leu Leu Val Pro Leu Leu Asp Gly Thr Glu Cys
277 20 25 30
280 Gly Val Glu Lys Trp Cys Ser Lys Gly Arg Cys Arg Ser Leu Val Glu
281 35 40 45
284 Leu Thr Pro Ile Ala Ala Val His Gly Arg Trp Ser Ser Trp Gly Pro
285 50 55 60
288 Arg Ser Pro Cys Ser Arg Ser Cys Gly Gly Gly Val Val Thr Arg Arg
289 65 70 75 80
292 Arg Gln Cys Asn Asn Pro Arg Pro Ala Phe Gly Gly Arg Ala Cys Val
293 85 90 95
296 Gly Ala Asp Leu Gln Ala Glu Met Cys Asn Thr Gln Ala Cys Glu Lys
297 100 105 110
300 Thr Gln Leu Glu Phe Met Ser Gln Gln Cys Ala Arg Thr Asp Gly Gln
301 115 120 125
304 Pro Leu Arg Ser Ser Pro Gly Gly Ala Ser Phe Tyr His Trp Gly Ala
305 130 135 140
308 Ala Val Pro His Ser Gln Gly Asp Ala Leu Cys Arg His Met Cys Arg
309 145 150 155 160
312 Ala Ile Gly Glu Ser Phe Ile Met Lys Arg Gly Asp Ser Phe Leu Asp
313 165 170 175
316 Gly Thr Arg Cys Met Pro Ser Gly Pro Arg Glu Asp Gly Thr Leu Ser
317 180 185 190
320 Leu Cys Val Ser Gly Ser Cys Arg Thr Phe Gly Cys Asp Gly Arg Met
321 195 200 205
324 Asp Ser Gln Gln Val Trp Asp Arg Cys Gln Val Cys Gly Gly Asp Asn
325 210 215 220
328 Ser Thr Cys Ser Pro Arg Lys Gly Ser Phe Thr Ala Gly Arg Ala Arg
329 225 230 235 240
332 Glu Tyr Val Thr Phe Leu Thr Val Thr Pro Asn Leu Thr Ser Val Tyr
333 245 250 255
336 Ile Ala Asn His Arg Pro Leu Phe Thr His Leu Ala Val Arg Ile Gly
337 260 265 270
340 Gly Arg Tyr Val Val Ala Gly Lys Met Ser Ile Ser Pro Asn Thr Thr
341 275 280 285
344 Tyr Pro Ser Leu Leu Glu Asp Gly Arg Val Glu Tyr Arg Val Ala Leu
345 290 295 300
348 Thr Glu Asp Arg Leu Pro Arg Leu Glu Glu Ile Arg Ile Trp Gly Pro
349 305 310 315 320
352 Leu Gln Glu Asp Ala Asp Ile Gln Val Gly Gly Val Arg Ala Gln Leu
353 325 330 335
356 Met His Ile Ser Trp Trp Ser Arg Pro Gly Leu Gly Glu Arg Asp Leu
357 340 345 350

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W--&gt; 360 Cys Ala Arg Gly Arg Trp Pro Gly Gly Ser Ser Asp Xaa

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TIME: 16:24:03

Input Set : A:\87020073.txt

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364 <210> SEQ ID NO: 6
365 <211> LENGTH: 738
366 <212> TYPE: PRT
367 <213> ORGANISM: homo sapien
369 <220> FEATURE:
370 <221> NAME/KEY: MISC_FEATURE
371 <222> LOCATION: (43)..(43)
372 <223> OTHER INFORMATION: unknown amino acid
375 <220> FEATURE:
376 <221> NAME/KEY: MISC_FEATURE
377 <222> LOCATION: (192)..(192)
378 <223> OTHER INFORMATION: unknown amino acid
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382 <221> NAME/KEY: MISC_FEATURE
383 <222> LOCATION: (255)..(255)
384 <223> OTHER INFORMATION: unknown amino acid
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388 <221> NAME/KEY: MISC_FEATURE
389 <222> LOCATION: (258)..(258)
390 <223> OTHER INFORMATION: unknown amino acid
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394 <221> NAME/KEY: MISC_FEATURE
395 <222> LOCATION: (374)..(374)
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408 <223> OTHER INFORMATION: unknown amino acid
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412 <221> NAME/KEY: MISC_FEATURE
413 <222> LOCATION: (458)..(458)
414 <223> OTHER INFORMATION: unknown amino acid
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418 <221> NAME/KEY: MISC_FEATURE
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420 <223> OTHER INFORMATION: unknown amino acid
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424 <221> NAME/KEY: MISC_FEATURE
425 <222> LOCATION: (487)..(487)
426 <223> OTHER INFORMATION: unknown amino acid
429 <400> SEQUENCE: 6
431 Ser Phe Gly Leu Glu His Asp Gly Ala Pro Gly Ser Gly Cys Gly Pro
432 1          5          10          15
435 Ser Gly His Val Met Ala Ser Glu Arg Arg Arg Pro Ala Pro Ala Ser

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RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/057,487

DATE: 10/24/2002  
TIME: 16:24:04

Input Set : A:\87020073.txt  
Output Set: N:\CRF4\10242002\J057487.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:5; Xaa Pos. 365

Seq#:6; Xaa Pos. 43,192,255,258,374,397,452,458,475,487

## VERIFICATION SUMMARY

DATE: 10/24/2002

PATENT APPLICATION: US/10/057,487

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Input Set : A:\87020073.txt

Output Set: N:\CRF4\10242002\J057487.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No  
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:360 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:352  
L:439 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:32  
L:475 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:176  
L:491 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:240  
L:495 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:256  
L:523 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:368  
L:527 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:384  
L:543 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:448  
L:547 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:464  
L:551 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:480